PORSF
11.3.31.5.1

Childs, John

From: Todd Thornburg [TMT@hartcrowser.com]
Sent: Thursday, August 31, 2000 6:23 PM
To: childj@portptld.com
Cc: Keith Kroeger
Subject: Re: Berth 503 sampling description, as requested

We are planning to collect 2 gravity cores from Berth 503. The cores will be situated roughly 20 to 30 feet out from the pierface, one off the central and the other off the southern part of the pier where the thickest sediments have accumulated. The gravity corer weighs 150 pounds. We could be adding an additional 500 to 600 pounds of weights to the core stand. Thus, the maximum total weight of the corer is about 750 pounds. After the core is embedded in the sediment, the pull-out tension may be three to four times the weight of the corer, or a few thousand pounds of pull-out tension. This is a worst-case scenario since the core barrel will likely penetrate only about 3 feet into the sediment. The last time we did similar pier-side coring, we were able to pull out the core using only a heavy nylon rope and a capstan.
Let me know if you need any additional information.
Todd